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27 December 1961

MEMORARDUM FOR THE RECORD	
SUBJECT: Russey Berrier	25X1A
1. Reference paragraph 3 of OKCART memorandum 2034, dated 21 December 1961, Status Report by	25X1A
2. Newwiers consist of two distinct components: energy shearbers and engaging devices. The engaging device connects the energy shearber so that the arrestment can be	
accomplished. In general, any engaging device can be used with any energy absorber. To clarify comment, LAC objects to the use of a dynamically supported engaging device rather than the DAK-9, which is only an energy absorber. He and LAC consider	25X1A
that a cable supported by moss which flip up and hold the cable statically will provide a more reliable engagement. In all the present non-tail hock engaging devices used by the Air Force, the cable is thrown up to engage the main goar and if it fails to	
engage, falls back to the ground. All Air Force fighters are being equipped with the tail-hook device, which by engaging a pendant cable statically supported at 6" height, her proved to be highly reliable in the range 0-160 knots. The reasons why a	
statically supported pop-up cable has not been developed by the Air Force for non-tail book eircraft is unknown.	
3. Objections to the use of a NAK-9 energy shearber should not be based on the engaging device attached thereto. This shearber has proven to be the best of several absorbers testod at the flight test center and is considered quite superior to the chain type absorber in practical applications. The chain absorbers are limited by low energy especity, long recycle time and varying load during acceptant. Structural limits of the aircraft may also be exceeded	
if the escent of chain is increased to provide higher energy ab-	

replaced with more advanced systems as rapidly as funds permit.

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	Date and the second transfer of the second	system for stopping the	
OKCART vehicle with le	ant damage would be 9 embination, with	by use of a tail hook, the engaging device at 1 you the point where take-	ihe -off
generated by segmenti- it can be shown that a	hook eliminates the congregation of the tail hook installs	e yearing and rolling mome main gear by a cable. I tion is not possible, the	mts Lf
the BAK-9 shaurber, at appropriate method. T	the same location, he runney length on	by a cable, together wit would be the second most oted is that considered onal requirements of the	
OECART vehicle besed or	n the latest predic	table fully loaded perfor	• • • • • • • • • • • • • • • • • • •
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